Center for Accelerator Mass Spectrometry
Lawrence Livermore National Laboratory
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In FY 2020, the Center for Accelerator Mass Spectrometry of the Lawrence Livermore National Laboratory (LLNL) provided in situ cosmogenic beryllium-10 (^{10}Be) analyses in support of the USGS neotectonic research activities under the National Earthquake Hazards Reduction Program (NEHRP).

The facility analyzed twenty-three (23) ^{10}Be targets, not including carrier blanks (routinely analyzed at no cost), for Dr. Kimberly Blisniuk of San Jose State University under G19PG00069. The samples were prepared from quartz separates in the CAMS lab by a student of Dr. Blisniuk, under the direction of Dr. Alan Hidy. Accelerator mass spectrometric ^{10}Be analyses were performed on the BeO targets, and the data were standardized relative to the 07KNSTD standard series (cf. Nishiizumi et al., Nuclear Instruments and Methods in Physics Research B 258 (2007) 403–413) and were measured to ~3% precision.

No radiocarbon analyses in support of NEHRP researchers were made during FY20.

Please note that Tom Guilderson has left CAMS, and future communications should be addressed to Susan Zimmerman at the email address or phone number listed below.

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